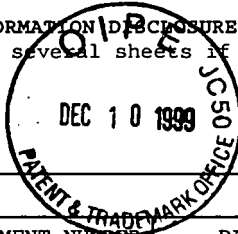


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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	P1	3,723,653	3/27/73	Tatsuzawa			
	P2	3,873,771	3/25/75	Kleinerman, et al.			
	P3	3,974,337	8/10/76	Tatsuzawa			
	P4	4,005,265	1/25/77	Verhoeckx, et al.			
	P5	4,054,908	10/18/77	Poirier et al.			
	P6	4,210,927	7/1/80	Yumde, et al.			
	P7	4,441,180	4/3/84	Schussler, et al.			
	P8	4,451,705	05/29/84	Burke et al.			
	P9	4,516,156	5/7/85	Fabris, et al.			
	P10	4,529,839	7/16/85	Colton, et al.			
	P11	4,529,840	7/16/85	Colton, et al.			
	P12	4,531,024	7/23/85	Colton, et al.			
	P13	4,574,374	3/4/86	Scordo			
	P14	4,645,872	7/4/87	Pressman, et al.			
	P15	4,650,929	3/17/87	Boerger, et al.			
	P16	4,653,090	03/24/87	Hayden et al.			

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P17	4,686,636	8/11/87	Tompkins et al.				
P18	4,710,917	12/1/87	Tomkins, et al.				
P19	4,716,585	12/29/87	Tompkins et al.				
P20	4,817,018	03/28/89	Cree et al.				
P21	4,837,798	6/6/89	Cohen, et al.				
P22	4,847,829	07/11/89	Tompkins et al.				
P23	4,922,523	5/1/90	Hashimoto				
P24	4,931,872	06/05/90	Stoddard et al.				
P25	4,953,159	8/28/90	Hayden et al.				
P26	4,961,211	10/2/90	Tsugane, et al.				
P27	4,965,819	10/23/90	Kannes				
P28	4,977,520	12/11/90	McGauhey et al.				
P29	4,987,492	1/22/91	Stults, et al.				
P30	4,995,071	2/19/91	Weber, et al.				
P31	5,003,532	5/26/91	Ashida, et al.				
P32	5,010,399	4/23/91	Goodman, et al.				
P33	5,014,267	5/7/91	Tompkins et al.				
P34	5,027,400	6/25/91	Baji, et al.				

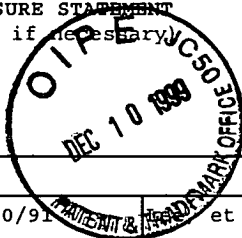
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P35	5,042,062	8/20/91	et al.				
P36	5,072,442	12/10/91	Todd				
P37	5,099,510	3/24/92	Blinken, Jr., et al.				
P38	5,130,399	07/19/92	Bordy et al.				
P39	5,130,793	7/14/92	Bordry, et al.				
P40	5,130,801	7/14/92	Yamaguchi				
P41	5,155,761	10/13/92	Hammond				
P42	5,170,427	12/8/92	Guichard, et al.				
P43	5,195,086	03/16/93	Baumgartner et al.				
P44	5,200,989	4/6/93	Milone				
P45	5,202,957	4/13/93	Serrao				
P46	5,218,627	6/8/93	Corey, et al.				
P47	5,224,094	06/29/93	Maher et al.				
P48	5,239,466	08/24/93	Morgan et al.				
P49	5,253,362	10/12/93	Nolan et al.				
P50	5,260,941	11/09/93	Wilder et al.				
P51	5,283,637	2/1/94	Goolcharan				
P52	5,303,343	04/12/94	Ohya et al.				

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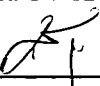
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	P53	5,315,633	05/24/94	Champa				
	P54	5,333,299	07/26/94	Koval et al.				
	P55	5,351,276	09/27/94	Doll Jr. et al.				
	P56	5,353,398	10/4/94	Kitahara et al.				
	P57	5,363,507	11/08/94	Nakayama et al.				
	P58	5,365,265	11/94	Shibata et al.				
	P59	5,373,549	12/13/94	Bales et al.				
	P60	5,374,952	12/20/94	Flohr				
	P61	5,379,374	01/03/95	Ishizaki et al.				
	P62	5,382,972	1/17/95	Kannes				
	P63	5,392,346	2/21/95	Hassler et al.				
	P64	5,404,435	04/04/95	Rosenbaum				
	P65	5,408,526	4/18/95	McFarland et al.				
	P66	5,408,662	04/18/95	Katsurabayashi				
	P67	5,432,525	07/11/95	Maruo et al.				
	P68	5,444,476	8/22/95	Conway				
	P69	5,471,318	11/28/95	Ahuja et al.				
	P70	5,473,679	12/05/95	La Porta et al.				

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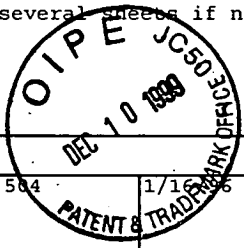
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P71	5,485,584	1/16/96	Ohnsorge				
P72	5,491,695	02/13/96	Meagher et al.				
P73	5,515,491	5/7/96	Bates et al.				
P74	5,526,024	6/11/96	Gaglianella et al.				
P75	5,550,966	08/27/96	Drake et al.				
P76	5,553,222	09/03/96	Milne et al.				
P77	5,561,736	10/1/96	Moore et al.				
P78	5,581,702	12/12/96	McArdle				
P79	5,590,128	12/31/96	Maloney et al.				
P80	5,594,495	01/14/97	Palmer et al.				
P81	5,602,580	2/11/97	Tseng				
P82	5,608,653	03/04/97	Ahuja et al.				
P83	5,689,553	11/18/97	Ahuja et al.				

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
5	F1	0 041 902	16 Dec '81	EP				
2	F2	0 190 060	08 Jan '86	EP				

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2	F3	0 354 370	22 Jul '88	EP				
	F4	35 07 152	29 Aug '85	DE				
	F5	0 403 118	19 Dec '90	EP				
	F6	0 414 222	22 Aug '90	EP				
	F7	0 436 345	10 Jul '91	EP				
	F8	0 453 128	23 Oct '91	EP				
	F9	0 497 022	31 Jan '91	EP				
	F10	0 516 371	27 May '92	EP				
	F11	0 523 618	14 Jul '92	EP				
	F12	0 535 601	07 Apr '93	EP				
	F13	0 523 626	14 Jul '92	EP				
	F14	0 548 597	30 Jun '93	EP				
	F15	0 561 381	17 Mar '93	EP				
	F16	0 604 053	29 Jun '94	EP				
	F17	WO 94/24803	27 Oct '94	PCT				
	F18	WO 92/21211	26 Nov '92	PCT				
	F19							

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- D1 ✓ ACM Press, Conference on Organizational Computing Systems, SIGOIS Bulletin, Vol. 12, No. 2-3, Nov 5-8, 1990
- D2 X The American Users Forum (Niu-Forum) Aug 6-9, 1990
- D3 ✓ Bellcore News, "IMAL Makes Media Merging Magic," 5(20), Nov 9, 1988
- D4 X Frontiers in computer communications technology, Sigcom '87 Workshop (Aug 11-13, 1987)
- D5 ✓ Unix 4th Berkeley Release 1991 man pages for 'login,' 'htmp,' 'talk,' and 'who.' Online Internet: <http://www.de.freebds.org>
- D6 ✓ Statement by Attorney for Applicants-Describing Product Development
- D7 ✓ AHUJA et al., "Coordination and Control of Multimedia Conferencing," IEEE Communication Magazine, 30(5): 38-42, May 1992
- D8 ✓ AHUJA et al., "Networking Requirements of the Rapport Multimedia Conferencing System," INFOCOM '88, IEEE, pp. 746-751, 1988
- D9 ✓ BISWAS et al., "Distributed Scheduling of Meetings: A Case Study in Prototyping Distributed Application," System Integration, 1992 2nd International Conference
- D10 ✓ COHEN et al., "Audio Windows: User Interfaces for Manipulating Virtual Acoustic Environments," pp. 479-480
- D11 ✓ COHEN et al., "Audio Windows for Binaural Telecommunication," EIC, Tokyo (10/91)
- D12 ✓ COHEN et al., "Design and Control of Shared Conferencing Environments for Audio Telecommunication," Proceedings of the Second Int'l Symposium on Measurement and Control Robotics (ISMCR '92), Tsukuba Science City, Japan, (November 15-19, 1992), pp. 405-412
- D13 ✓ COHEN et al., "Exocentric Control of Audio Imaging in Biaural Telecommunication," IEICE Trans. Fundamentals, Vol. E75-A, No. 2, (February 1992)
- D14 ✓ COHEN et al., "Multidimensional Audio Window Management," Int'l Journal of Man-Machine Studie, Vol. 34:319-336 (1991)
- D15 ✓ COHEN et al., "Multidimensional Audio Windows: Conferences, Concerts and Cocktails," Human Factors Society Meeting, SF, CA, pp. 1-15, June-12-91
- D16 ✓ CRAWFORD et al., "Videomatic Switching: System and Services, Digital Communications," Int. Zurich Seminar, 1988
- D17 ✓ ENSOR et al., "The Rapport Multimedia Conferencing System - Software Overview," Computer Workstation Conference, IEEE, pp. 52-58, 1988

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<input checked="" type="checkbox"/>	D18	GOPAL et al., "Directories Networks with Causally Connected Users," IEEE, pp. 1060-1064, 1988
<input checked="" type="checkbox"/>	D19	HORN et al., "An ISDN Multimedia Conference Bridge," TENCON '90 - 1990 IEEE Region 10 Conference on Computer and Communication, pp. 853-856, 1990
<input checked="" type="checkbox"/>	D20	KAMEL, "An Integrated Approach to Share Synchronous Groupware Workspaces," IEEE 1993
<input checked="" type="checkbox"/>	D21	KENDALL et al., "Simulating the Cue of Spatial Hearing in Natural Environments," Northwestern University, Evanston, IL 60201
<input checked="" type="checkbox"/>	D22	KLEIN, Telekommunikation von Angesicht zu Angesicht 2323 Telcom Report 9 (1986) Sept./Okt., No. 5, Erlangen, W. Germany
<input checked="" type="checkbox"/>	D23	KOBAYASHI et al., "Development and Trial Operation of Video Teleconference System," IEEE Globecom, pp. 2060-2063, 1999
<input checked="" type="checkbox"/>	D24	LAKE et al., "A network environment for studying multimedia network architecture and control," (1989 Globecom)
<input checked="" type="checkbox"/>	D25	LANTZ, An Experiment in Integrated Multimedia Conferencing, Department of Computer Science, Stanford University, Stanford, CA 94305, Dec 1986
<input checked="" type="checkbox"/>	D26	LANTZ et al., Collaboration Technology Research at Olivetti Research California, August 1989
<input checked="" type="checkbox"/>	D27	LAUWERS et al., Replicated Architectures for Shared Window Systems: A Critique, (Olivetti Research California) Version of April 1990
<input checked="" type="checkbox"/>	D28	LAUWERS et al., Collaboration Awareness in Support of Collaboration Transparency: Requirements for the Next Generation of Shared Windows Systems, (Olivetti Research California) Version of April 1989
<input checked="" type="checkbox"/>	D29	LEUNG et al., Optimum Connection Paths for a Class of Videoconferences, Department of Information Engineering, the Chinese University of Hong Kong, Shatin, Hong Kong
<input checked="" type="checkbox"/>	D30	MAENO et al., Distributed Desktop Conferencing System (MERMAID) Based on Group Communication Architecture, The Transactions of the Institute of Electronics, Information and Comm. Engineers E74 (1991) Sept., No. 9, Tokyo, JP
<input checked="" type="checkbox"/>	D31	MARTENS, "Principal Components Analysis and Resynthesis of Spectral Cues to Perceived Direction," Proceedings of the 1987 Int'l Computer Music Conference, Northwestern University, Evanston, IL 60201
<input checked="" type="checkbox"/>	D32	MASAKI et al., "A Desktop Teleconferencing Terminal Based on B-ISDN: PMTC," NTT Review, 4(4):81-85, 1992
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<input checked="" type="checkbox"/>	D34	NUNOKAWA et al., "Teleconferencing Using Stereo Voice and Electronic OHP," IEEE, 1988
<input checked="" type="checkbox"/>	D35	OHMORI et al., "Distributed Cooperative Control for Sharing Applications Based on Multiparty and Multimedia Desktop Conferencing System," IEEE, 1992

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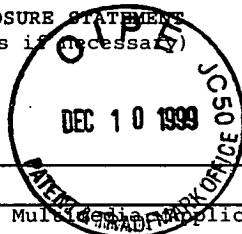
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5	D36	PATE, "Trends in Multimedia Applications and the Network Models to Support Them," Globecom's 90: 1990
H	D37	PERKINS, "Spider: An investigation in collaborative technologies and their effects on network performance"
	D38	RAMANATHAN et al., Optimal Communication Architectures for Multimedia Conferencing in Distributed Systems, Multimedia Laboratory Dept. of Computer Science and Engineering, University of San Diego, La Jolla, CA
	D39	RANGAN et al., "Software architecture for integration of video services in the etherphone system," IEEE J. on Selected Areas in Comm., 9(9):1395-1404, Dec '91
	D40	RANGAN et al., "A Window-Based Editor for Digital Video and Audio," System Sciences, 1992 Hawaii Int'l Conference (1992)
	D41	SAKATA, "B-ISDN Multimedia Workstation Architecture," IEEE, 1993
	D42	SAKATA et al., "Development and Evaluation of an In-House Multimedia Desktop Conference System," NEC Research & Development, no. 98, pp. 107-117, July 1990
	D43	STEFIK et al., "Beyond the Chalkboard: Computer Support for Collaboration and Problem Solving," Communications of the ACM, Vol. 30, No. 1, Jan 1987
	D44	VIN et al., Hierarchical Conferencing Architectures for Inter-Group Multimedia Collaboration, Multimedia Laboratory Department of Computer Science and Engineering University of California at San Diego, La Jolla
	D45	VIN et al., Multimedia Conferencing in the Etherphone Environment, Computer Magazine, Vol. 24, Issue 10, pp. 69-79, 1991
	D46	WATABE et al., "A Distributed Multiparty Desktop Conferencing System and Its Architecture," IEEE, 1991
	D47	WATABE et al., "Distributed Desktop Conferencing System with Multiuser Multimedia Interface," IEEE, 1991
	D48	WEISS, Desk Top Video Conferencing - An Important Feature of Future Visual, SIEMENS AG - Munich - West Germany
	D49	ZELLWEGER et al., "An Overview of the Etherphone System and Its Applications," Computer Workstations Conference, 1988
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P1	4,475,193	10/02/84	Brown			
P2	4,796,293	01/03/89	Blinken et al.			
P3	4,888,795	12/19/89	Ando et al.			
P4	4,998,243	03/05/91	Kao			
P5	5,056,136	10/08/91	Smith			
P6	5,073,926	12/17/91	Suzuki et al.			
P7	5,157,491	10/20/92	Kassatly			
P8	5,195,087	03/16/93	Bennett et al.			
P9	5,231,492	07/27/93	Dangi et al.			
P10	5,319,795	07/07/94	Hamabe et al.			
P11	5,333,133	07/26/94	Andrews et al.			
P12	5,335,321	08/02/94	Harney et al.			
P13	5,345,258	09/06/94	Matsubara et al.			
P14	5,367,629	11/22/94	Chu et al.			
P15	5,375,068	12/20/94	Palmer et al.			
P16	5,384,598	01/24/95	Rodriguez et al.			

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5	P17	5,384,772	01/24/95	Arsh et al.				FEB 1 2000
	P18	5,392,223	02/21/95	Caci				Group 2700
	P19	5,422,883	06/06/95	Hauris et al.				
	P20	5,475,421	12/12/95	Palmer et al.				
	P21	5,506,954	04/09/96	Arshi et al.				
	P22	5,565,910	10/15/96	Rowse et al.				

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OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

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